

PROCEEDINGS OF THE 13th TOPICAL CONFERENCE ON HIGH TEMPERATURE PLASMA DIAGNOSTICS

INSTRUCTIONS FOR MANUSCRIPT PREPARATION AND CALCULATION

Papers to be published in the Proceedings may not exceed the maximum length established by the Conference and by the American Institute of Physics. Invited papers are limited to 8 pages and contributed papers to 4 printed pages in the *Review of Scientific Instruments*.

To help determine manuscript length, we urge you to have the paper typed in accordance with the following specifications for the average number of typed characters per line. Different parts of the paper call for different character counts per line. Please count the number of lines in each section, enter the numbers on the form below, and calculate the total. Manuscripts may not exceed

934 total lines for an invited paper, or	}	including an allowance
467 total lines for a contributed paper.		for figures, tables, etc.

Failure to follow these guidelines may result in delays that could jeopardize the inclusion of your paper in the *Proceedings* issue of the *Review of Scientific Instruments*.

The following procedure will help you estimate the length.

Type the manuscript **DOUBLE-SPACED** in the format stated below, with the average number of characters per line (including spaces) as indicated for each section. (This is easy to do with a word processor.)

	# lines used
1. Title, authors, addresses, and abstract. (This is an average)	45
2. Body of text (60 characters per line)	
a. two extra blank lines for each section heading	
3. Equations	
a. allow 1 line per 40 on-line characters, plus 2 lines	
b. allow 2 lines for each line of an equation that includes a built-up fraction or a simple matrix, plus 2 lines	
c. allow 2 lines for each row of a large matrix, plus 2 lines	
4. Figures*	
a. calculate the size of each figure after reduction to 8.5 cm width and allow 2.3 lines for each centimeter of vertical space needed after reduction, rounded to the nearest line	
b. allow 1 extra line above each figure, 1 below, and 1 between figure and caption (3 extra lines per figure)	
c. captions (74 characters per line)	
5. Tables*	
a. body of table (74 characters per line or no more than 5 columns of 8 characters each)	
b. captions (74 characters per line)	
c. 1 extra line below and 1 above caption, 1 extra line below column headings, 2 extra lines below table. Total: 5 extra lines per table	
6. References (74 characters per line)	
	TOTAL

*Tables and figures requiring two columns are discouraged. If two-column figures or tables are necessary, double the number of lines indicated.

PLEASE GIVE THIS FORM TO YOUR TYPIST

Submit the original manuscript and 2 clear copies, plus original figures at the meeting. All further communication on the content should be addressed to the Publications Chairman or the Editor of *Review of Scientific Instruments*.

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IMPORTANT INSTRUCTIONS FOR MANUSCRIPT PREPARATION

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Papers to be published in the Proceedings may not exceed the maximum length established by the conference editors and the American Institute of Physics. Invited papers are limited to 8 pages and contributed papers to 4 printed pages in the *Review of Scientific Instruments*.

Papers exceeding the above limits cannot be published in the Proceedings without deletions by the author or editor at proof stage. To help you keep your paper within the length requirements when preparing your manuscript, use the following formula as a guideline:

$$1/3 \text{ the number of manuscript pages} + 1/4 \text{ the number of figures.}$$

This formula is based on manuscripts prepared using 1 inch margins on either side of the page and 12 point size type. A manuscript with 1 inch margins typed at 12 point size should be 9 pages long minus 1/4 of a page for each figure, for example, 8 1/2 pages with 2 figures, 8 pages with 4 figures, 7 pages with 5 figures, etc. (based on 1 column wide figures).

NOTE: IN ORDER FOR THIS FORMULA TO WORK CORRECTLY, YOU MUST FOLLOW THE MARGIN AND TYPE SIZE GUIDELINES LISTED ABOVE. THE FORMULA WILL NOT WORK IF YOU USE A SMALLER POINT SIZE OR WIDER MARGINS IN ORDER TO FIT MORE TEXT ON THE PAGE. THIS MAY RESULT IN HAVING TO DELETE FIGURES OR TEXT AT PROOF STAGE.

The above calculation is obviously quite approximate. By using the "Instructions" sheet (see reverse side) a more detailed calculation can be made. As printed in the journal, 467 lines of plain text occupy 4 pages. On average, there are 60 characters (including spaces) per line, and so the number of lines in the text can be counted by a word-processing at 60 characters per line. Figures, tables, etc. can be reduced to an equivalent number of lines as shown in the sheet.

The instructions appear formidable at first glance, but it is not difficult to follow them in detail. Use that procedure to make a more accurate estimate.